

**ABSTRACT OF THE DISCLOSURE**

5      Conductive plastic resistance element having particles of conductive material embedded therein and projecting therefrom for reducing variations in contact resistance in a potentiometric device in which the element is employed. The element is made by processing carbon powder, resin, solvent and conductive phases to form a paste, applying the paste to a substrate, and curing the paste to drive off the solvent and form a film, with the conductive phases rising to the surface of the film and becoming embedded therein.